

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



(43) International Publication Date
2 October 2003 (02.10.2003)

PCT

(10) International Publication Number
WO 03/081742 A1

(51) International Patent Classification⁷: **H02H 9/04**

(21) International Application Number: PCT/RU02/00113

(22) International Filing Date: 22 March 2002 (22.03.2002)

(25) Filing Language: English

(26) Publication Language: English

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MK, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

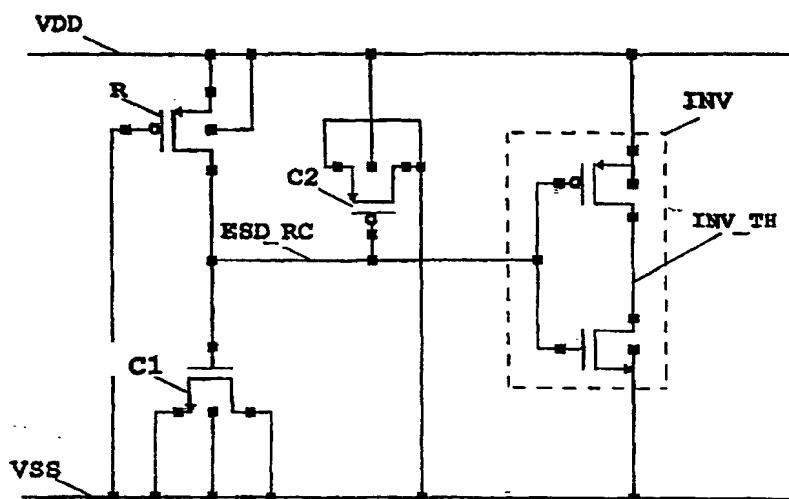
Published:

— with international search report

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CIRCUIT FOR ELECTROSTATIC DISCHARGE PROTECTION



(57) Abstract: A circuit providing protection against electrostatic discharge (ESD) for internal elements of an Integrated Circuit (IC) is connected to a power rail (VDD) and a ground rail (VSS) and to an inverter (INV) of a clamp preamplifier. The protection circuit comprises a PMOSFET resistor (R) with a gate connected to said ground rail (VSS), a drain connected to said inverter's (INV) input node (ESD_RC), a source and a bulk connected to said power rail (VDD). The circuit also comprises an NMOSFET capacitor (C1) with a gate connected to said inverter's (INV) input node (ESD_RC), a drain, a source and a bulk connected to said ground rail (VSS), and a PMOSFET connector (C2) with a gate connected to said inverter's (INV) input node (ESD_RC), a drain, a source connected to said ground rail (VSS) and a bulk connected to said power rail (VDD).

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